

#20
5/30/03
JD



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

REVOCATION AND NEW POWER OF ATTORNEY

Commissioner for Patents
Washington, D.C. 20231

Sir:

The undersigned, Nokia Telecommunications Oy, is the assignee of the entire right, title and interest of the issued U.S. patents and pending patent applications identified in the attached appendix, by virtue of properly recorded assignment, from the inventors. The Assignments were recorded in the United States Patent & Trademark Office the reel and frame numbers as indicated. The assignee, through the undersigned representative, hereby revokes any and all powers of attorney heretofore granted and hereby appoints the firm of:



32294

PATENT TRADEMARK OFFICE

Customer Number 32294
SQUIRE, SANDERS & DEMPSEY LLP
14TH Floor
8000 Towers Crescent Drive
Tysons Corner, Virginia 22182-2700
Telephone: 703-720-7800
Fax: 703-720-7802

and individually the partners and associates thereof:

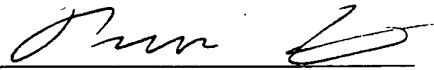
Douglas H. Goldhush, Reg. No. 33,125; Kevin F. Turner, Reg. No. 43,437;
Dinnatia J. Doster, Reg. No. 45,268; Sam Huang, Reg. No. 48,430; Rhonda L.
Barton, Reg. No. 47,271; Marc A. Sockol, Reg. No. 40,823; Vidya R. Bhakar,
Reg. No. 42,323; Daryl C. Josephson, Reg. No. 37,365; Cameron Kerrigan,

Reg. No. 44,826; David B. Abel, Reg. No. 32,394; Nathan Lane, Reg. No. 43,738; Lorinda Howland, Reg. No. 42,671; Michael Lechter, Reg. No. 27,350; David Rogers, Reg. No. 38,287; William Bachand, Reg. No. 34,980; Aaron Wininger, Reg. No. 45,229; Paul A. Durdik, Reg. No. 37,819; Paul J. Meyer 47,791; David A. Levine, Reg. No. 48,821; Victor Repkin, Reg. No. 45,039; and Victoria L. Nicholson, Reg. No. 47,823.

as attorneys to prosecute the applications and to transact all business in the Patent and Trademark Office connected therewith, and with the issued patents. It is respectfully requested that the records of the United States Patent & Trademark Office be updated to reflect this information, and that all correspondence be sent to the address indicated above.

NOKIA TELECOMMUNICATIONS OY

Date: 0.1.2003

By: 
(Signature)

Tommi Lehto
(Name)

IPR Manager
(Title)

APPENDIX

SSD Case No.	Assignee	Application No.	Filing Date	Patent No.	Issue Date	Reel/Frame	Recordation Date
4340100011	Nokia Telecommunications OY	09/400,645	21-Sep-1999			010569/0407	07-Feb-2000
5964300032	Nokia Telecommunications OY	09/329,807	10-Jun-1999			010142/0669	05-Aug-1999
5964300033	Nokia Telecommunications OY	09/401,888	23-Sep-1999			010460/0506	17-Dec-1999
5964300069	Nokia Telecommunications OY	09/639,248	15-Aug-2000			8757/0193	30-Sep-1997
5964300070	Nokia Telecommunications OY	09/155,231	23-Sep-1998			9825/0060	23-Sep-1998
5964300078	Nokia Telecommunications OY	09/371,179	10-Aug-1999			010350/0958	28-Oct-1999
5964300157	Nokia Telecommunications OY	09/325,583	03-Jun-1999			010209/0205	03-Sep-1999
5964300158	Nokia Telecommunications OY	09/390,526	03-Sep-1999	6,499,032	24-Dec-2002	012901/0699	14-May-2002
5964300200	Nokia Telecommunications OY	09/389,574	03-Sep-1999	6,505,206	07-Jan-2003	010392/0986	15-Nov-1999
5964300201	Nokia Telecommunications OY	09/387,704	17-Aug-1999			012422/0198	02-Jan-2002
5986400003	Nokia Telecommunications OY	09/111,023	07-Jul-1998			9304/0793	07-Jul-1998
5986400004	Nokia Telecommunications OY	09/247,718	09-Feb-1999			9766/0614	09-Feb-1999
5986400005	Nokia Telecommunications OY	09/209,182	10-Dec-1998			9643/0041	10-Dec-1998
5986400006	Nokia Telecommunications OY	09/146,862	03-Sep-1998	6,490,287	03-Dec-2002	9444/0297	03-Sep-1998
5986400007	Nokia Telecommunications OY	09/159,005	23-Sep-1998			9480/0016	23-Sep-1998
5986400008	Nokia Telecommunications OY	09/170,378	13-Oct-1998	6,490,275	03-Dec-2002	9739/0745	04-Feb-1999
5986400009	Nokia Telecommunications OY	10/014,217	22-Oct-2001			010083/0780	Unknown
5986400010	Nokia Telecommunications OY	09/252,264	18-Feb-1999			9782/0438	18-Feb-1999
5986400014	Nokia Telecommunications OY	09/092,540	05-Jun-1998			9362/0734	04-Aug-1998
5986400016	Nokia Telecommunications OY	09/028,241	24-Feb-1998			9890/0220	05-Apr-1999
5986400019	Nokia Telecommunications OY	09/212,608	16-Dec-1998			9654/0327	16-Dec-1998
5986400020	Nokia Telecommunications OY	09/237,728	26-Jan-1999			009727/0653	26-Jan-1999
5986400021	Nokia Telecommunications OY	09/223,555	30-Dec-1998			9686/0018	30-Dec-1998
5986400022	Nokia Telecommunications OY	09/317,333	24-May-1999			010085/0873	12-Jul-1999
5986400084	Nokia Telecommunications OY	09/126,835	30-Jul-1998			943/0500	14-Sep-1998
5986400086	Nokia Telecommunications OY	09/209,183	10-Dec-1998			9642/0975	10-Dec-1998
5986400087	Nokia Telecommunications OY	09/137,276	20-Aug-1998			Unknown	08-Aug-1998
5986400090	Nokia Telecommunications OY	09/159,711	24-Sep-1998	6,505,044	07-Jan-2003	9635/0711	09-Dec-1998
5986400093	Nokia Telecommunications OY	09/287,321	07-Apr-1999			9891/0402	07-Apr-1999
5986400094	Nokia Telecommunications OY	09/161,789	28-Sep-1998			9469/0364	28-Sep-1998
6009100028	Nokia Telecommunications OY	09/319,349	04-Jun-1999			010076/0985	04-Jun-1999
6009100029	Nokia Telecommunications OY	09/331,520	22-Jun-1999	6,487,288	26-Nov-2002	010073/0396	02-Jul-1999
6009100031	Nokia Telecommunications OY	09/331,936	29-Jun-1999			010136/0258	29-Jun-1999
6009100032	Nokia Telecommunications OY	09/355,159	31-Aug-1999			010209/0186	03-Sep-1999

6009100033	Nokia Telecommunications OY	09/341,736	15-Jul-1999				Unknown	19-Aug-1999
6009100034	Nokia Telecommunications OY	09/355,145	26-Aug-1999	19-Nov-2002	6,484,031		010201/0380	30-Aug-1999
6009100036	Nokia Telecommunications OY	09/367,830	08-Oct-1999				011036/0089	11-Aug-2000
6009100037	Nokia Telecommunications OY	09/367,921	22-Oct-1999				010812/0964	16-May-2000
6009100039	Nokia Telecommunications OY	09/407,568	28-Sep-1999				011092/0575	08-Nov-2000
6009100041	Nokia Telecommunications OY	09/416,091	12-Oct-1999				013024/0659	24-Jun-2002
6009100042	Nokia Telecommunications OY	09/440,680	12-Nov-1999	12-Nov-2002	6,480,716		010392/0823	12-Nov-1999
6009100048	Nokia Telecommunications OY	09/469,853	22-Dec-1999				010508/0031	22-Dec-1999
6009100052	Nokia Telecommunications OY	09/101,569	14-Oct-1998	12-Nov-2002	6,480,485		9544/0741	19-Oct-1998
6009100053	Nokia Telecommunications OY	09/970,551	03-Oct-2001				9517/0167	Unknown
6009100054	Nokia Telecommunications OY	09/101,526	29-Sep-1998	17-Dec-2002	6,496,532		9786/0303	26-Feb-1999
6009100056	Nokia Telecommunications OY	09/029,513	27-Feb-1998				9848/0731	27-Feb-1998
6009100057	Nokia Telecommunications OY	09/125,101	06-Oct-1998	05-Nov-2002	6,477,384		9524/0641	06-Oct-1998
6009100058	Nokia Telecommunications OY	09/194,297	23-Nov-1998				9767/0552	16-Feb-1999
6009100059	Nokia Telecommunications OY	09/171,683	22-Oct-1998	29-Oct-2002	6,473,473		9839/0911	22-Oct-1998
6009100060	Nokia Telecommunications OY	09/171,968	29-Oct-1998				9729/0136	29-Oct-1998
6009100061	Nokia Telecommunications OY	09/230,962	04-Feb-1999				9819/0992	16-Mar-1999
6009100062	Nokia Telecommunications OY	09/230,504	26-Jan-1999				00969/0277	26-Jan-1999
6009100063	Nokia Telecommunications OY	09/242,361	16-Feb-1999				010387/0418	16-Feb-1999
6009100064	Nokia Telecommunications OY	09/254,512	09-Mar-1999	19-Nov-2002	6,483,830		010019/0491	09-Apr-1999
6009100065	Nokia Telecommunications OY	09/269,484	29-Mar-1999				Unknown	06-Aug-1999
6009100066	Nokia Telecommunications OY	09/319,516	21-Jul-1999	15-Oct-2002	6,466,786		010054/0935	25-Jun-1999
6009100067	Nokia Telecommunications OY	09/319,181	02-Jun-1999	15-Oct-2002	6,466,552		010079/0986	02-Jun-1999
6009100068	Nokia Telecommunications OY	09/308,110	13-May-1999				010036/0694	13-May-1999
6009100069	Nokia Telecommunications OY	09/284,212	08-Apr-1999				9921/0118	26-Apr-1999
6009100070	Nokia Telecommunications OY	09/269,629	30-Mar-1999	29-Oct-2002	6,473,611		9921/0018	26-Apr-1999
6009100091	Nokia Telecommunications OY	09/319,195	29-Jun-1999				010067/0994	02-Jul-1999
6009100104	Nokia Telecommunications OY	09/194,747	02-Dec-1998				010006/0170	02-Dec-1998
6009100105	Nokia Telecommunications OY	09/230,496	26-Jan-1999				009967/0932	26-Jan-1999
6009100108	Nokia Telecommunications OY	09/331,449	08-Jul-1999				010082/0127	09-Jul-1999
6009100118	Nokia Telecommunications OY	09/117,700	07-Oct-1998	02-Apr-2002	6,366,602		9524/0854	07-Oct-1998
6009100119	Nokia Telecommunications OY	09/125,133	07-Oct-1998				9502/0722	07-Oct-1998
6009100120	Nokia Telecommunications OY	09/254,816	15-Mar-1999				9928/0431	03-May-1999
6009100121	Nokia Telecommunications OY	09/269,942	08-Apr-1999				9933/0977	03-Apr-1999
6009100122	Nokia Telecommunications OY	09/331,802	25-Jun-1999				010130/0918	25-Jun-1999

6009100123	Nokia Telecommunications OY	09/341,164	02-Jul-1999			010134/0579	02-Jul-1999
6009100124	Nokia Telecommunications OY	09/974,325	09-Oct-2001			011092/0575	08-Nov-2000
6009100142	Nokia Telecommunications OY	09/142,347	08-Sep-1998			9541/0482	08-Sep-1998
6009100143	Nokia Telecommunications OY	09/308,943	24-Jun-1999			010053/0297	28-Jun-1999
6009100144	Nokia Telecommunications OY	09/331,994	26-Jul-1999			0101028/0773	29-Jul-1999
6009100147	Nokia Telecommunications OY	09/341,549	13-Jul-1999			011192/0037	20-Oct-2000
6009100159	Nokia Telecommunications OY	09/051,944	25-Jun-1998			9282/0501	29-Jun-1998
6053900002	Nokia Telecommunications OY	09/331,218	30-Jul-1999			010138/0069	30-Jul-1999
6053900003	Nokia Telecommunications OY	09/367,147	30-Nov-1999			010441/0891	10-Dec-1999